

Title (en)

THERMOPLASTIC BOTTLE-FORMING AND -FILLING METHOD AND INSTALLATION

Title (de)

VERFAHREN UND ANLAGE ZUM FORMEN UND FÜLLEN VON THERMOPLASTISCHEN FLASCHEN

Title (fr)

PROCEDE ET INSTALLATION DE FORMAGE ET DE REMPLISSAGE DE BOUTEILLES EN MATIERE THERMOPLASTIQUE

Publication

**EP 1660371 A1 20060531 (FR)**

Application

**EP 04786352 A 20040825**

Priority

- FR 2004002188 W 20040825
- FR 0310278 A 20030829
- FR 0315004 A 20031219

Abstract (en)

[origin: WO2005023652A1] The invention relates to a thermoplastic bottle-forming and -filling method and installation, in which a thermoplastic preform is transferred successively to work stations in order for a bottle (6) to be produced therefrom and, subsequently, the bottle (6) thus produced is transferred to work stations in order to be filled, sealed and released. For said purpose, the outer edge of a definitively-shaped area of the neck (37) of the bottle is permanently held, such that the bottle is maintained in a determined orientation and is guided along a determined path, passing through successive posts. In this way, the position of the bottle is maintained along the length of the path thereof, without obstructing the transfer operation or the work being performed.

IPC 1-7

**B65B 3/02**

IPC 8 full level

**B29C 49/42** (2006.01); **B65B 3/02** (2006.01); **B65B 55/02** (2006.01); **B67C 7/00** (2006.01); **B29C 49/06** (2006.01); **B29C 49/12** (2006.01); **B29C 49/28** (2006.01)

CPC (source: EP US)

**B29C 49/12** (2013.01 - US); **B29C 49/4205** (2013.01 - EP); **B29C 49/42073** (2022.05 - US); **B29C 49/42101** (2022.05 - US); **B65B 3/022** (2013.01 - EP); **B65B 55/027** (2013.01 - EP); **B67C 7/0073** (2013.01 - EP); **B29C 49/06** (2013.01 - EP); **B29C 49/12** (2013.01 - EP); **B29C 49/42069** (2022.05 - EP); **B29C 49/42087** (2022.05 - EP); **B29C 49/42808** (2022.05 - EP); **B29C 49/685** (2022.05 - EP); **B29C 2791/001** (2013.01 - EP); **B29C 2949/0715** (2022.05 - EP); **B29K 2067/00** (2013.01 - EP)

Cited by

CN102975354A; US9415989B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2859200 A1 20050304**; **FR 2859200 B1 20060310**; AT E403601 T1 20080815; DE 602004015619 D1 20080918; EP 1660371 A1 20060531; EP 1660371 B1 20080806; WO 2005023652 A1 20050317

DOCDB simple family (application)

**FR 0315004 A 20031219**; AT 04786352 T 20040825; DE 602004015619 T 20040825; EP 04786352 A 20040825; FR 2004002188 W 20040825